

PLANT MAINTENANCE MECHANIC

General Statement of Duties: Performs highly skilled mechanical work in the maintenance and repair of specialized machinery in a treatment plant or pumping station; does related work as required.

Distinguishing Features of the Class: An employee in this class performs precision bench, hand tool and machine operations in a variety of assignments. Work is performed under general supervision and requires employee to exercise independent judgement. May supervise a helper or laborer on special assignment. This class is distinguished from Equipment Mechanic by the nature of the work which requires repair of mechanical equipment and stationary machinery at a treatment plant.

Examples of Work: (Illustrative only)

- Installs and/or makes major mechanical repairs of pumps, boilers, conveyers, valves, hydrants, tapping machines, augers, cranes, hi-loaders, diggers, electric operated deep well and booster pumps, electrical and pneumatic controls and compressors.
- Performs normal maintenance on electric motors used for water pumping.
- Uses hand, bench and machine tools in the repair and maintenance of pumps, valves, cranes and other plant machinery and equipment.
- Does acetylene, arc and gas welding.
- Operates drill presses, grinders and related equipment.
- Replaces and repairs bearings, shafts, sleeves and other parts.
- Makes daily field checks of all system operating equipment for proper operation and needed maintenance.
- Changes oil and greases all equipment.
- Maintains inventory of materials for operation and maintenance of Plants.
- Keeps records of daily maintenance operation.

Required Knowledge, Skills and Abilities: Thorough knowledge of standard practices, methods, tools and materials of the electrical and mechanical trades; thorough knowledge of welding, blacksmithing, machine work and related mechanical trades operations; thorough knowledge of the occupational hazards connected with general maintenance operations; ability to observe and enforce appropriate precautions; ability to work from sketches or blueprints to close tolerances, and to understand and carry out difficult oral and written instructions; ability to establish and maintain effective relationships with co-workers and subordinates; skill in the use and care of bench and hand tools, machines and equipment of the mechanical trades; good physical condition.

Acceptable Experience and Training: Any combination of education and experience which provides the required knowledge, skills and abilities. Must possess a valid Iowa's drivers license.